

Appln. No. 10/562,504

Docket No. DE920020043US1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No.:	10/562,504	:	Confirmation No.:	8083
Applicant:	Gerd Breiter, et al.	:	Group Art Unit:	3623
Filed:	July 10, 2006	:	Examiner:	Folashade Anderson
Docket No.:	YOR920060502US2	:		

For: METHOD AND SYSTEM FOR AUTOMATICALLY TRANSFORMNG  
A PROVIDER OFFERING INTO A CUSTOMER SPECIFIC SERVICE  
ENVIRONMENT DEFINITION EXECUTABLE BY RESOURCE  
MANAGEMENT SYSTEMS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AFTER FINAL PURSUANT TO 37 C.F.R. 1.116**

This Amendment After Final is being filed concurrently with an Appeal Brief.

**Amendment to the Claims:**

**Please replace the current listing of the claims with the revised listing of the claims below:**

1. (Previously Presented) A method for automatically transforming a provider offering describing a customer specific service environment in business terms into a form which is automatically executable by a resource management system, the method comprises the steps of:

receiving a description of a provider offering in business terms without any references to specific resources, said provider offering being distinct from a resource catalog, wherein said provider offering is input into a transformation component;

providing access to the resource catalog containing descriptions of all available resource types including information about dependencies of said resource types belonging to said customer specific service environment as well as reference information to execute resource management actions for said resource types;

wherein said resource catalog is input into the transformation component;

mapping said description of said provider offering with said resource type information contained in said resource catalog and generating by the transformation component a customer specific service environment topology tree comprising the steps of:

using said provider offering by the transformation component as a root node of a customer specific service environment topology tree to be generated, wherein said provider offering is distinct from said resource catalog;

adding identified resource types as nodes in said topology tree which are mapping with said provider offering; and

adding child nodes to said identified nodes when said identified resource types, which are aggregated resource types, map into a set of lower level resource types which are child resources;

repeating the previous steps until said resource types cannot be mapped into set of lower resource types which are base resource types;

providing access to a resource management action catalog containing resource management actions each describing how to manage a single resource type by a resource control system;

traversing said customer specific service environment topology tree, wherein each node in said customer specific service environment topology tree represents a resource type;

extracting from said resource management action catalog all resource management actions of said resource types identified in said customer specific service environment resource topology tree;

sequencing said extracted resource management actions according to requirements of said defined customer specific service environment; and

compiling said sequenced management actions into a machine readable form executable by said resource management system.

2. (Previously Presented) A method according to claim 1, wherein said resource management actions includes the operations creation, management, and deletion of said resource types.

3. (Previously presented) A method according to claim 1, wherein said sequence is defined by input and out parameter of said resource management actions.

4. (Previously presented) A method according to claim 1, wherein said sequence is implemented as workflow executable by said resource management system.

5. (Previously presented) A method according to claim 1, wherein said resource management actions are used to define a decision logic in form of rules to control the execution of said resource management actions.

6. (Previously presented) A method according to claim 5, wherein said defined work flow process or said decision logic is implemented in a form of XML data.

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7. (Previously presented) A method according to 1, wherein said reference information includes a URL pointing to a Web Service with the corresponding Web Service description for execution of said resource management actions.

8. (Currently Amended) A system for transforming a provider offering describing a customer specific service environment in business terms into a ~~foam~~form executable by a resource management system, comprising:

a transformation component for generating a customer specific service environment topology tree by:

receiving a description of a provider offering in business terms without any references to specific resources, said provider offering being distinct from a resource catalog, wherein said provider offering is input into the transformation component;

wherein said resource catalog is input into the transformation component;

providing access to said resource catalog containing descriptions of all available resource types including information about dependencies of said resource types belonging to said customer specific service environment as well as reference information to execute resource management actions for said resource types;

wherein said resource catalog is input into the transformation component;

mapping said description of said provider offering with said resource type information contained in said resource catalog and generating a customer specific service environment topology tree by:

using said provider offering as root node of a customer specific service environment topology tree to be generated;

adding identified resource types as nodes in said topology tree which are mapping with said provider offering;

adding child nodes to said identified nodes when said identified resource types which are aggregated resource types map into a set of lower level resource types which are child resources; and

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repeating the previous steps until said resource types cannot be mapped into set of lower resource types which are base resource types;

a compilation component for generating a customer specific service environment definition by:

providing access to a resource management action catalog containing resource management actions each describing how to manage a single resource type by a resource control system;

traversing said customer specific service environment topology tree, wherein each node in said customer specific service environment topology tree represents a resource type;

extracting from said resource management action catalog resource management actions of said resource types identified in said customer specific service environment resource topology tree;

sequencing said extracted resource management actions according to requirements of said defined customer specific service environment; and

compiling said sequenced resource management actions into a machine readable form executable by said resource management system.

9. (Previously presented) A System according to claim 8, wherein said resource catalog contains categorized aggregated resource types which contain references to one or more other resources types with other parameters for them or a certain combination of them or both.

10. (Previously presented) A system according to claim 8, wherein said provider offering forms the highest aggregation level of aggregated resource types and the base resources form the lowest not further expandable level in said resource catalog, wherein only said base resource types contain reference information to execute resource management actions for said resource types.

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11. (Previously presented) A system according to claim 8, wherein said resource catalog may be implemented in a form of a table stored in a database, or XML file stored in a file system.

12. (Previously presented) A system according to claim 8, wherein said resource management actions includes creation, management, and deletion of said resource types.

13. (Previously presented) A system according to claim 8, wherein each resource management action is defined by the name of the resource type, its tasks and its specific input and output parameter.

14. (Previously presented) A system according to claim 8, wherein the result of said compilation component is a machine-readable description of sequenced resource management actions as well as decision logic for operating said customer specific service environment.

15. (Previously presented) A computer program product stored in the internal memory of a digital computer, containing parts of software code to execute the method in accordance with claim 1 if the product is run on the computer.

16-20. (Cancelled)

**REMARKS**

Claims 1-15 are pending in the instant application.

Claim 8 has been amended to correct an informality, and is non-substantive. The Assignee submits that the amendment to Claim 8 was made solely for the purpose of addressing an informality, which renders the Claim in better condition for appeal. No new matter has been entered.

**Conclusion**

The Commissioner is hereby authorized to charge any additional fees that may be required for this amendment, or credit any overpayment, to Deposit Account No. 50-0510. In the event that an extension of time is required, or may be required in addition to that requested in a petition for extension of time, the Commissioner is requested to grant a petition for that extension of time that is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to the above-identified Deposit Account.

Respectfully Submitted,

CANTOR COLBURN LLP

By: /Nelson S. DaCunha/  
Nelson S. DaCunha  
Registration No. 63,592  
20 Church Street, 22<sup>nd</sup> Floor  
Hartford, CT 06103-3207  
Telephone: (404) 607-9991  
Facsimile: (404) 607-9981  
Customer No. 46429

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